

20000112.ba v02\_n777.bam.20000112

>From ???@??? Wed Jan 12 12:22:24 2000 -0600  
Date: Wed, 12 Jan 2000 12:20:06 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2777  
Message-Id: <20000112182632.ACA7327408@devel43.theporch.com>

BOATANCHORS Digest 2777

Topics covered in this issue include:

- 1) Re: BENCH MULTIMETER RECOMMENDATION  
by brian.harris\_2@philips.com
- 2) RE: BENCH MULTIMETER RECOMMENDATION  
by "Shriver, John" <john.shriver@intel.com>
- 3) Ranger Help - Fuses  
by "Richard Brunner" <rbrunner@gis.net>
- 4) Re: Ranger Help - Fuses  
by "Prof. Arthur I. Larky" <ail0@lehigh.edu>
- 5) Re: BENCH MULTIMETER RECOMMENDATION  
by john <johnmb@mindspring.com>
- 6) Was this little one-tube breadboard a kit?  
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 7) For Sale: National NC-33 Receiver  
by Dave Hollander <davidh@getnet.com>
- 8) Vacuum Tubes on NPR  
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
- 9) Re: BENCH MULTIMETER RECOMMENDATION  
by Mark Pilant <n1vqw@arrl.net>
- 10) old telephone stuff  
by luc dugas <collins2@globetrotter.net>
- 11) Re: BENCH MULTIMETER RECOMMENDATION  
by "Ed Zeranski" <ezeran@concentric.net>
- 12) Re: BENCH MULTIMETER RECOMMENDATION  
by "Ed Zeranski" <ezeran@concentric.net>
- 13) Re: BENCH MULTIMETER RECOMMENDATION  
by Arden Allen <gumbear@pacbell.net>
- 14) Re: Vacuum Tubes on NPR  
by Arden Allen <gumbear@pacbell.net>
- 15) Re: BENCH MULTIMETER RECOMMENDATION  
by Arden Allen <gumbear@pacbell.net>
- 16) Re: "ARC-5" & WW2 Nomenclature, etc.  
by Ray Mote <rmote@rain.org>
- 17) Re: BENCH MULTIMETER RECOMMENDATION  
by "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>
- 18) Ranger Help - Fuses

- by "Richard Brunner" <rbrunner@gis.net>
- 19) FS: RADIART 6V Vibrator  
by Michael Crestohl <mc@sover.net>
  - 20) FS: 12BH7 Tubes  
by Michael Crestohl <mc@sover.net>
  - 21) Re: 12BH7 Tubes  
by Arden Allen <gumbear@pacbell.net>
  - 22) 35W4 rectifier tubes needed  
by Tom Lewandowski <TomLewandowski@InfoCure.com>
  - 23) 2-fuse plug?  
by "Paul Bernhard Sr." <w2tu@email.msn.com>
  - 24) Boatanchor meeting at Richmond VA. Hamfest 1/16/2000  
by Fred Bohner <fbohner@rocketmail.com>
  - 25) Re: Vacuum Tubes on NPR  
by Scott Robinson <spr@earthlink.net>

-----  
From: brian.harris\_2@philips.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
Message-ID: <00569100032011670000002L172\*@MHS>  
Date: Tue, 11 Jan 2000 16:36:20 -0600  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1; name="MEMO 01/11/00 16:38:51"  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

Funny thing....my +/-20% radios don't seem to mind having their vital signs measured by my +/-5% (on a good day) PSM-4 multimeter. Digital? = Who needs it? I can say that now that I've dumpstered my \$50 Goldstar = digital meter whose LCD quit working on=20 or about its 2nd birthday.

Brian =20  
=

-----  
Message-ID: <392A357CE6FFD111AC3E00A0C99848B00253C90C@hdsmsx31.hd.intel.com>  
From: "Shriver, John" <john.shriver@intel.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: BENCH MULTIMETER RECOMMENDATION  
Date: Tue, 11 Jan 2000 14:49:43 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I've got both extremes.

An RCA Junior Volt-Ohmyst VTVM, which keeps on chugging. The same one my dad used in the 1950's. I've had to replace the RG-59 coax in the probe, the original wore out the solid inner conductor. I've also had to replace some really cheap carbon composition resistors. (They used the worst!) But, easy to use, clear scale, nice ribbed rectangular knobs. I have one of the later large-scale Senior versions, but the red scales are sun-bleached, and I just don't like the feel of it.

A Fluke 8040 hand-held 3-1/2 digit DVM. (Maybe it's an 8035 or 8045, I dunno.) Bought from a laid-off mid-50's engineer at the MIT flea for \$45 (I didn't have the heart to dicker). The LCD's not up to snuff, but readable. Biggest complaint is that there's no auto power off, so it's really easy to toast a couple-of-buck 9V battery. I'm not about to spring for (money or space) a Fluke differential voltmeter, so I think it's a pretty decent substitute for calibration of the Tektronix scope and plugins. While you can troubleshoot a Tek scope with a Simpson 260, no way can you calibrate one with a Simpson 260.

-----  
Message-ID: <002e01bf5c86\$16b50b80\$031c29d8@tne1tcds>  
From: "Richard Brunner" <rbrunner@gis.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Ranger Help - Fuses  
Date: Tue, 11 Jan 2000 17:47:29 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Richard wrote:

(speaking of the two-fuse fuse plug)

> I think there is fast-blo fuse of higher amps  
> for major malfunctions, and a slo-blo fuse of lower amps for tune  
> errors.

No No No! The slo-blow fuse will blow just as fast on a short-circuit as the standard fuse. The slo-blo fuse will hold in longer on mild, transient, overloads such as motor starting, (its intended purpose) or transformer inrush. For radio applications there is not much difference in load current between normal operation and overload, and either fuse will be fine. Fuses are primarily for short-circuit protection. They will blow eventually at 135% of rating, (minutes to hours) seconds to minutes at 200%, and VERY quickly for a short-circuit. As you can see, it is probably impossible to provide quick overload protection and not have nuisance blowing on normal current. For our applications, fuses will limit but not prevent equipment damage, and protect the source from short-circuit overloads.

Richard Brunner, AA1P, rbrunner@gis.net

-----  
Message-ID: <387B723E.46F8@lehigh.edu>  
Date: Tue, 11 Jan 2000 18:11:10 +0000  
From: "Prof. Arthur I. Larky" <ail0@lehigh.edu>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: boatanchors@theporch.com  
Subject: Re: Ranger Help - Fuses  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Richard Brunner wrote:

>  
> > Richard wrote:  
>  
> (speaking of the two-fuse fuse plug)  
>  
> > I think there is fast-blo fuse of higher amps  
> > for major malfunctions, and a slo-blo fuse of lower amps for tune  
> > errors.  
>  
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> the standard fuse. The slo-blo fuse will hold in longer on mild,  
> transient, overloads such as motor starting, (its intended purpose) or  
> transformer inrush. For radio applications there is not much difference in  
> load current between normal operation and overload, and either fuse will be  
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> eventually at 135% of rating, (minutes to hours) seconds to minutes at 200%,  
> and VERY quickly for a short-circuit. As you can see, it is probably  
> impossible to provide quick overload protection and not have nuisance blowing  
> on normal current. For our applications, fuses will limit but not prevent  
> equipment damage, and protect the source from short-circuit overloads.  
>  
> Richard Brunner, AA1P, rbrunner@gis.net

How about an in-rush limiter to hold down the initial current? Then you  
can put in a fast-blow fuse whose value is very close to the operating  
current. In-rush limiters are available from Mouser for two bucks or  
so.  
Art K3HBA

-----  
Message-Id: <3.0.3.32.20000111184047.00c82254@mindspring.com>  
Date: Tue, 11 Jan 2000 18:40:47 -0500  
To: Old Tube Radios <boatanchors@theporch.com>

From: john <johnmb@mindspring.com>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Likewise my B&K wazoo meter which lost its mind in its second year,  
leaving its digits to wander aimlessly.

Fluke 76 still works fb, as well as old heath VTVM  
73  
Lefty

At 04:36 PM 01/11/2000 -0600, brian.harris\_2@philips.com wrote:  
>Funny thing....my +/-20% radios don't seem to mind having their vital  
signs measured by my +/-5% (on a good day) PSM-4 multimeter. Digital? Who  
needs it? I can say that now that I've dumpstered my \$50 Goldstar digital  
meter whose LCD quit working on  
>or about its 2nd birthday.  
>  
>Brian  
>  
>

-----  
Message-Id: <v03007801b4a16fc043ca@[132.235.46.35]>  
Mime-Version: 1.0  
Content-Type: text/enriched; charset="us-ascii"  
Date: Tue, 11 Jan 2000 18:56:21 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Richard Post <post@ouvaxa.cats.ohiou.edu>  
Subject: Was this little one-tube breadboard a kit?

I've had fun completing a little breadboard radio which I believe to be  
a kit.

[http://oak.cats.ohiou.edu/~postr/bapix/1\\_tuber.htm](http://oak.cats.ohiou.edu/~postr/bapix/1_tuber.htm)

The knob on the little variometer and that on the variable cap are of  
the same style. I have seen similar kit sets in the Allied catalogs of  
the late 1930s. The tube is a type 31.

When I first located this, all of the components including the  
Fahnestock clips with appropriate pencil markings were mounted on the

plywood board with small wood screws and were ready to be wired. No wiring or solder had ever been applied. I had to repair the variometer because the DCC insulation on the wires of the movable coil had deteriorated over time. I wired the set with some vintage DCC wire according to the generic diagram shown and was able to make it work rather well with a pair of "D" cells for the "A" supply and several worn 9 volt batteries in series for the "B" supply. Assuming this was indeed a kit, let me know if you can identify the distributor. It was probably bought from some mail-order catalog other than Allied.

73,

Rich

<fontfamily><param>Courier</param><<postr@ohiou.edu</fontfamily>>

-----  
Message-ID: <387BDA31.3BAF3038@getnet.com>  
Date: Wed, 12 Jan 2000 01:34:50 +0000  
From: Dave Hollander <davidh@getnet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: For Sale: National NC-33 Receiver  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

I have the following for sale. As far as shipping, I am in Phoenix, Arizona 85020 and I will ship overseas. Pictures and more details can be found at:

<http://www.getnet.com/~davidh/forsale5.html>

National NC-33 Receiver - \$65 + shipping

73 and thanks for looking,  
Dave

\*\*\*\*\*

Dave N7RK - Webmaster CADXA  
Phoenix, Arizona \*DXCC Honor Roll\* \*WAZ#23 - 75 Meter SSB\*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National and what ever else looks interesting!

E-Mail: davidh@getnet.com My Home Page: <http://www.getnet.com/~davidh>

Visit the Central Arizona DX Association Home page - <http://cadxa.org>

-----  
Date: Tue, 11 Jan 2000 22:28:21 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <200001120328.WAA02878@aa4rm.ba-watch.org.>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Vacuum Tubes on NPR

A pal told me that Sun or Mon. there was a story on this - the head of the FAA said the US Govt. is the nations' largest tube customer & his FAA probably heads the list.

He said to heck with Y2K & computers, "when's someond gonna help budget retirement of many of his half-century-old radars?

I didn't hear the story & am repeating a tale.

Went to NPR.org for fill to no avail. Anyone hear it?

Marty

-----  
Message-ID: <387BF47E.76A9B691@arrl.net>  
Date: Tue, 11 Jan 2000 22:26:54 -0500  
From: Mark Pilant <n1vqw@arrl.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, I've had just about everything from VTVMs (HP-410B) to Fluke bench meters (8375) and they all have their uses. However, for most everything, I reach for my Fluke 77 that I've had for more than 10 years. In all that time, I've managed to pop both current fuses (easily replaced) and also burned out one of the 1K fusible resistors (easy to replace, not so easy to find).

And I  
only burned out the resistor because I attempted to measure about  
1500VAC  
where the max is 750VAC. It is just about as bullet-proof (or is that  
idiot-proof)  
as you can get. The current 70 series all carry a lifetime guarantee.

If you pick one of the current line of Fluke, HP, TEK, etc. DMMs, I  
don't  
think you can go very far wrong. They are all good instruments. As for  
calibration, when I took my 77 to get calibrated, the engineer said he  
had  
never seen one that had to be adjusted, unless it was plain broken.

73

- Mark N1VQW....a test equipment junkie :-)

-----  
Message-ID: <387BF790.8EFC424A@globetrotter.net>  
Date: Tue, 11 Jan 2000 23:40:01 -0400  
From: luc dugas <collins2@globetrotter.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: old telephone stuff  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

hi gang i have available for sale some old telephone stuff and an  
interphone by western electric that is at least a 100 years old. any  
interest in the group. jpg file upon request. luc ve2lgj 73s

-----  
Message-ID: <007501bf5cb8\$8f997540\$ec0ffea9@g5p3m4>  
From: "Ed Zeranski" <ezeran@concentric.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
Date: Tue, 11 Jan 2000 20:50:32 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: brian.harris\_2@philips.com <brian.harris\_2@philips.com>  
To: Old Tube Radios <boatanchors@theporch.com>



Date: Tuesday, January 11, 2000 2:37 PM  
Subject: Re: BENCH MULTIMETER RECOMMENDATION

Funny thing....my +/-20% radios don't seem to mind having their vital signs measured by my +/-5% (on a good day) PSM-4 multimeter. Digital? Who needs it? I can say that now that I've dumpstered my \$50 Goldstar digital meter whose LCD quit working on or about its 2nd birthday.

Brian

Folks, I have two Dinosaur Digitals I use on an every day basis. Fluke 8060(true RMS) from early '80s (\$365 at the time ...my bux) and a DM-25 Beckman (\$25 in 1985 with cap value checker, cheepie pocket job) These old nuggets have titanium balls and still work after 15+ years of travel and use in Third World countries etc. At home I have a Simpson 260 and other test equipment back through 'Analyzers' in the '30s but.. Now a testimonial...If you see a PSM 4 (called piss'em fours) jump on it. That was the VOM used Nam time as the common test box. It has the best bust up of ranges for trouble shooting BA type sets of any VOM I ever used. I know I'm hanging my butt out on the last statement but thats the way it is . PSM-4 has the test leads in the lid and a case that makes them the GRC-109 of VOMs. After that..I still only align BA with a VTVM or scope on the agc. Using contemporary test equipment works because ( again he hangs it out) I think circuit loading etc. was figured by the manufacturing engineers when they wrote the instructions and spec.

Anyway, haven't seen PSM-4 mentioned before so wanted to give a heads up to BA. Grab 'em!

Good luck and Happy BoatAnchoring!

-----  
Message-ID: <00c501bf5cbd\$444c7920\$ec0ffea9@g5p3m4>  
From: "Ed Zeranski" <ezeran@concentric.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
Date: Tue, 11 Jan 2000 21:24:13 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: Deane D McIntyre <dmcintyr@ucalgary.ca>  
To: Old Tube Radios <boatanchors@theporch.com>

Date: Tuesday, January 11, 2000 9:52 AM  
Subject: Re: BENCH MULTIMETER RECOMMENDATION

>If you insist on a digital meter, spend  
>the extra cash and buy a Fluke.

Good advice for seriously working new stuff with a strong  
recommendation to check out Beckmann meters...for new stuff

>In keeping with the spirit of things that glow in  
>the dark, I prefer to use a VTVM when working with  
>BA's.

Me too, it seems that stuff like RCA VoltOhmist etc work better  
when working on a BA RX. Also have used EICO, Heath and all with a needle  
rather than nervous digital readout. Tweak slow to allow for meter lag but  
at least you aren't getting hives over sampling time etc waiting for a real  
number.

-----  
Date: Tue, 11 Jan 2000 21:40:50 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0F0700FWSKJOC9@mta1.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Mark;

> .....and also burned  
> out  
> one of the 1K fusible resistors (easy to replace, not so easy to find).  
> And I  
> only burned out the resistor because I attempted to measure about  
> 1500VAC.....

I bought my 77 in '87 and I too blew the 1K resistor. That guy looks kinda  
like a carbon comp but isn't. Like you said it's a fuseable R. But I live  
dangerously and put a carbon comp back in (it has negligible effect on  
accuracy so tolerance isn't critical). Best to order a new resistor from  
Fluke before I make the same boo-boo again. The 77 just keeps plugging  
along. You have to really work hard at destroying a Fluke meter.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Tue, 11 Jan 2000 21:51:29 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: Vacuum Tubes on NPR  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0F0700FXSKJYC9@mta1.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Marty;

I visited a FAA control site (MCAS El Toro, CA) in '87 and was mildly surprised at the racks of tube equipment in operation. It gave me that warm glow feeling before I knew I was a closet boatanchorist (is there such a thing as a boatanchor fetish?). I don't think the FAA is so much budget constrained as much as they practice "if it ain't broke don't fix it". Yup, the FAA should change their name to the Federal Aviation Boatanchor Preservation Administration. Rolls right off the lips....."FABPA!...."

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Tue, 11 Jan 2000 22:12:12 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0F07002B4L8R02@mta1.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Ed;

> Me too, it seems that stuff like RCA VoltOhmist etc work better  
> when working on a BA RX. Also have used EICO, Heath and all with a  
needle  
> rather than nervous digital readout. Tweak slow to allow for meter lag  
but  
> at least you aren't getting hives over sampling time etc waiting for a  
real  
> number.

You are right, watching a needle respond to your tweakings is far preferable to tumbling digits. The only reason I like a digital is I can read a number while wearing my close-up glasses. When I watch a needle I have to change glasses. I still use my V-7A purchased and built in '56 and my 410B acquired in '70. But when I need a number to stick into my musings

over a schematic the digital is easier.

With the V-7A's I meg probe resistor and which I also have a high voltage probe for, the 410B's 10 meg probe resistor, 100 meg input resistance and low capacitance RF probe, and my 412A's 1000 meg input resistance, my old needle wavers cover a lot more ground on the bench.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Tue, 11 Jan 2000 22:36:59 -0800 (PST)  
From: Ray Mote <rmote@rain.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "ARC-5" & WW2 Nomenclature, etc.  
Message-ID: <Pine.GS0.4.21.0001112226220.25645-1000000@coyote.rain.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The file "ww2.nomenclature.txt" in the BA Archives covers the three primary military nomenclature systems in use during WW2: the Signal Corps SCR/BC/RC system, the Navy Model Letter & Type Number system, and the "AN/" system (as in AN/ARC-5). It is exactly the same as what was published in the June & July '95 issues of ELECTRIC RADIO, and posted to the Archives with the permission of Barry Wiseman. It is somewhat lengthy (about 32K), and includes all the subcategories under each system. This is exactly what Gordon Elliot White \*should\* have written 'way back when he was doing the "Surplus Sidelights" column for CQ Magazine -- but didn't. There are a number of other files in the Archives that list Air Corps equipment, Signal Corps equipment, and Navy equipment models. If you have a question, try checking those files first.

HINT: If you're digging into old Navy gear, also pick up the files "manuf.list.ww21.txt" and "manuf.list.ww22.txt" from the Archives. You'll need it to decode the letters at the start of the Navy Type Numbers.

73....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

-----  
Message-Id: <3.0.5.32.20000112075359.0081eae0@192.168.0.1>  
Date: Wed, 12 Jan 2000 07:53:59 +0100  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "JOSE V. GAVILA (EB5AGV/EC5AAU)" <eb5agv@ctv.es>  
Subject: Re: BENCH MULTIMETER RECOMMENDATION  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Just my experience with DMMs and BAs... Last year, while I was working on my KWM-2A power supply using a cheapo DMM (I knew I was close to the 1000VDC limit and didn't want to risk my Fluke 77 series II), I got it fried (literally; smoke included!) in tenths of second. I was able to buy a replacement main IC for it (the A/D and LCD driver), but it refused to work fine in some functions and sits in a box waiting to be used as a parts unit for another one I have... Then I took my Fluke 77 (which I got used, in very good shape, for \$75 a couple years ago). I measured the offending voltage to find about 800VDC... So the cheap DMM died below its maximum voltage... And it could cause a fire!. Now I use a ME-26D/U and/or HP-410B VTVM and the Fluke 77. I just don't have any faith on cheap DMMs for 'high' voltage (BA) work.

Best regards,

JOSE

-----  
73 EB5AGV / EC5AAU  
JOSE V. GAVILA  
Benetusser - VALENCIA (SPAIN)

\* Please, visit my Vintage Radio Site (last updated 8-January-2000) \*  
<http://www.geocities.com/SiliconValley/6992/>  
European Boatanchors List: [http://www.eGroups.com/list/euro\\_ba\\_swap](http://www.eGroups.com/list/euro_ba_swap)  
ICQ 43817777

-----  
Message-ID: <004c01bf5cfc\$91b5fbc0\$8c2f29d8@tneltdcs>  
From: "Richard Brunner" <rbrunner@gis.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Ranger Help - Fuses  
Date: Wed, 12 Jan 2000 07:42:43 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Art wrote

"How about an in-rush limiter to hold down the initial current? Then you can put in a fast-blow fuse whose value is very close to the operating current. In-rush limiters are available from Mouser for two bucks or so."

Yes, inrush-limiters are a very good idea and will give ancient radio apparatus a gentle start. They are especially applicable to

capacitor-input power supplies. (I haven't used them myself) However, they have a small (hot) voltage drop, and may not be good for CW transmitters. This is a good area for experiment.

Richard Brunner, AA1P, rbrunner@gis.net

-----  
Message-Id: <4.2.2.20000112093444.00c0e4a0@mail.sover.net>  
Date: Wed, 12 Jan 2000 09:34:47 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Michael Crestohl <mc@sover.net>  
Subject: FS: RADIART 6V Vibrator  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang:

Another treasure.....

It's new old stock in the box. Model is 5300 6 Volt vibrator. Was probably used for a car radio in the 40s or 50s. The base diagram is A.

Anyone need it? I sure don't. \$7.00 plus postage.

If interested please reply by e-mail.

Cordially,

Michael Crestohl, W1RC  
mc@sover.net  
Cordially,

Michael Crestohl  
mc@sover.net

-----  
Message-Id: <4.2.2.20000112093559.00c07460@mail.sover.net>  
Date: Wed, 12 Jan 2000 09:36:02 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Michael Crestohl <mc@sover.net>  
Subject: FS: 12BH7 Tubes  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Everyone:

Found some more tubes that I have been saving with no rig to put them in.....

These are 12BH7s which if I remember are used as RF drivers in several 60s transmitters. They are used-pulls but all tested well above acceptable limits on my TV-7D.

Anyone use these and need them? I'll sell them at 3 for \$10.00 or all 7 for \$20.00 plus \$1.00 for postage.

If interested please reply by e-mail.

73,

Michael Crestohl, W1RC  
mc@sover.net  
Cordially,

Michael Crestohl  
mc@sover.net

-----  
Date: Wed, 12 Jan 2000 07:50:37 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: 12BH7 Tubes  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0F0800JUUC0T7N@mta4.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Mike;

> These are 12BH7s which if I remember are used as RF drivers in several  
> 60s  
> transmitters. They are used-pulls but all tested well above acceptable  
> limits on my TV-7D.

The 12BH7 is a medium mu twin triode. Not likely to be an RF driver. Do you mean 12BY7?

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-ID: <35F03C82B898D3119F360090278A7C731A5579@MINNEAPOLIS-BDC>  
From: Tom Lewandowski <TomLewandowski@InfoCure.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: 35W4 rectifier tubes needed  
Date: Wed, 12 Jan 2000 10:55:20 -0500

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hello all  
I'm looking for some 35W4 rectifier tubes. Thanks for your help.

Tom Lewandowski

-----  
Message-ID: <006b01bf5d15\$fd803f00\$a45b143f@default>  
From: "Paul Bernhard Sr." <w2tu@email.msn.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: 2-fuse plug?  
Date: Wed, 12 Jan 2000 10:59:14 -0500

Hi again :

The "two fuse" plug confused me. Back when I had a Valiant (built from kit) transmitter it had the two fuse plug for 120 volt input. If that is the plug being referred to, it has the problem of having one fuse in each of the incoming lines both "hot" and "neutral".

It seems that if this is the case, someone has just used whatever fuses he had to fill the slots. Since both fuses are in the same AC line they are both seeing the same current flow and would'nt have any difference in their application. Both fuses interrupt the incoming power and whichever fuses characteristics were minimal (less current, faster acting) would blow first.

Maybe this isn't the type of plug being used here but it sure sounds like it. Johnson uses that plug very often. (Sure wish I had that Valiant back!)

Paul B. W2TU

-----  
Message-ID: <20000112181615.21498.qmail@web2906.mail.yahoo.com>  
Date: Wed, 12 Jan 2000 10:16:15 -0800 (PST)  
From: Fred Bohner <fbohner@rocketmail.com>  
Subject: Boatanchor meeting at Richmond VA. Hamfest 1/16/2000  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello BA'ers

A BA meeting will be at the fest at 10:00am,  
next to the food stand.



January 16, 2000 Frostfest 2000, indoors.  
The Showplace, 3000 Mechanicsville Turnpike,  
Richmond, Virginia.  
<http://www.frostfest.rats.net>

Come and meet your fellow BA lists members.

Thanks,

Fred Bohner

-----  
Do You Yahoo!?  
Talk to your friends online with Yahoo! Messenger.  
<http://im.yahoo.com>

-----  
Message-ID: <387CC64C.8C3999EC@earthlink.net>  
Date: Wed, 12 Jan 2000 10:22:04 -0800  
From: Scott Robinson <spr@earthlink.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Vacuum Tubes on NPR  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Folks,

I heard the report, and the quote I remember is, "The FAA is the country's largest consumer of vacuum tubes." Thiw was by way of pointing out that their systems were...well broken in.

Regards,

/scott

"Marty's Refl. Drop" wrote:

>  
> A pal told me that Sun or Mon. there was a story on this - the head  
> of the FAA said the US Govt. is the nations' largest tube customer &  
> his FAA probably heads the list.  
>  
> He said to heck with Y2K & computers, "when's someond gonna help budget  
> retirement of many of his half-century-old radars?  
>  
> I didn't hear the story & am repeating a tale.  
>  
> Went to NPR.org for fill to no avail. Anyone hear it?

>  
> Marty

--  
Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

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End of BOATANCHORS Digest 2777  
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